

An electrical transformer including a tank containing transformer fluid, a transformer core and winding subassembly disposed in the transformer fluid within and spaced apart from the tank. An active device, disposed in the transformer fluid within the tank, varies the volume of the transformer fluid in order to reduce pressure waves generated by the vibration of the core and winding subassembly during electromagnetic operation. The active device includes at least a cell having a main body and a corrugated membrane connected to the main body in order to realize a sealed container able to maintain a low pressure atmosphere inside, and an actuator placed inside the sealed container and solidly connected to the corrugated membrane.

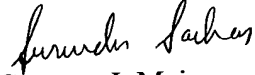
Favorable consideration of this application, as presently amended, is respectfully requested.

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The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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